



# DEPARTMENT OF THE ARMY

VICKSBURG DISTRICT, CORPS OF ENGINEERS  
4155 CLAY STREET  
VICKSBURG, MISSISSIPPI 39183-3435

WEBSTER

REPLY TO  
ATTENTION OF:

<http://www.mvk.usace.army.mil> 2003 SEP -4 A 7:04  
August 27, 2003

Operations Division  
Regulatory

SUBJECT: Permit requirements for the Construction of a Permeable Reactive Barrier in Section 5, T22N-R5E, Grenada County, Mississippi

COPY

Mr. John Bozick  
ArvinMeritor, Incorporated  
2135 West Maple Road  
Troy, Michigan 48084

Dear Mr. Bozick:

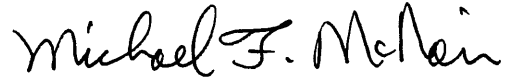
Based upon the information furnished September 5, 2002, it appears that Department of the Army permit requirements for the proposed work will be authorized by Nationwide Permit No. 38, as specified in the January 15, 2002, Federal Register, Issuance of Nationwide Permits; Notice (67 FR 2020-2095) and in the February 13, 2002, Federal Register, Issuance of Nationwide Permits; Notice; Correction (67 FR 6692-6695), provided the activity complies with the Nationwide Permit Special Conditions (enclosure 1), the Nationwide Permit General Conditions (enclosure 2), and the Regional Conditions (enclosure 3). It is your responsibility to read and become familiar with the enclosed conditions in order for you to ensure that the activity authorized herein complies with the Nationwide Permits.

This verification is valid for a period of 2 years, or until the Nationwide Permit is modified, suspended, or revoked. Activities which are under construction or that are under contract to commence in reliance upon a Nationwide Permit will remain authorized, provided the activity is completed within 12 months of the date of any subsequent modification, expiration, or revocation of the Nationwide Permit. Upon completion of the activity authorized by this Nationwide Permit, please fill out the enclosed certification of compliance (enclosure 4) and return it to our office.

Thank you for advising us of your plans. If you change your plans for the proposed work or if the proposed work does not comply with the conditions of the Nationwide Permit, please contact Mr. Anthony Lobred, telephone (601) 631-5470, fax (601) 631-5459, or e-mail address: [regulatory@mvk02.usace.army.mil](mailto:regulatory@mvk02.usace.army.mil). In any future correspondence concerning this project, please refer to identification No. 200209020.

For your information, please read brochures Recognizing Wetlands and Operations Division (enclosure 5).

Sincerely,

A handwritten signature in cursive script that reads "Michael F. McNair".

Michael F. McNair, R.F.  
Team Leader, Permit Section  
Regulatory Branch

Enclosures

501 Great Circle Road  
Suite 150  
Nashville, Tennessee 37228  
Tel: (615) 255-2288  
Fax: (615) 256-8332  
www.browncaldwell.com

Look up in RAMS - FB  
9-6

TZ  
1/9

September 5, 2002

27-19071.001

BROWN AND  
CALDWELL

Ms. Beth Guymes  
U. S. Army Corps of Engineers  
4155 Clay Street  
Vicksburg, MS 39183

RE: Pre-construction Notification (PCN) for Nationwide Permit #38  
Groundwater Interim Measures  
Grenada Manufacturing Site, Grenada, Mississippi

Dear Ms. Guymes:

Attached for your review is a copy of a Pre-construction Notification (PCN) to consider the Grenada Manufacturing Groundwater Interim Measure Project under the U. S. Army Corps of Engineers' Nationwide Permit #38 (NWP 38). This PCN supplements a technical memorandum dated August 8, 2002, which details a wetlands delineation of the site. Initial inquiries and project information were previously submitted to your office on May 8 and July 6, 2001.

The decision to apply for work under the NWP 38 was based on the fact that the Interim Measure will be implemented under the authority of the RCRA program as administered by the US Environmental Protection Agency (USEPA) and the Mississippi Department of Environmental Quality (MDEQ). The project will consist of installing a subsurface permeable reactive barrier trench to treat impacted groundwater upgradient of Riverdale Creek.

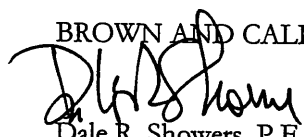
This PCN consists of the following components:

- Application Form
- Attachment A - Vicinity Map
- Attachment B - Wetlands Delineation Map with Proposed Trench Alignment

Remedial construction activities at the site will begin as soon as possible; therefore, your prompt review of this PCN is appreciated. Thank you for your help in these matters. If you have any questions regarding the information provided, please do not hesitate to call me at (615) 250-1241.

Sincerely,

BROWN AND CALDWELL

  
Dale R. Showers, P.E.  
Project Manager

Ms. Beth Guymes  
September 5, 2002  
Page 2

cc: Don Webster, USEPA  
Louis Crawford, MDEQ  
John Bozick, ArvinMeritor  
Don Williams, Grenada Manufacturing  
John Devic, Collins and Aikman  
Jeffrey Karp, Esq., Swidler Berlin Shereff Friedman, LLP

APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT  
(33 CFR 325)OMB APPROVAL NO. 0710-0003  
Expires December 31, 2004

The public reporting burden for this collection of information is estimated to average 10 hours per response, although the majority of applications should require 5 hours or less. This includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Service Directorate of Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302; and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003), Washington, DC 20503. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

## PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies. Submission of requested information is voluntary, however, if information is not provided, the permit application cannot be processed nor can a permit be issued.

One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

## (ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETED
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## (ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME <b>ArvinMeritor, Inc.</b>	8. AUTHORIZED AGENT'S NAME AND TITLE (an agent is not required) <b>Brown and Caldwell</b> <b>Dale Showers, P.E., Project Manager</b>
6. APPLICANT'S ADDRESS <b>Attn: Mr. John Bozick</b> <b>2135 West Maple Road</b> <b>Troy, MI 48084</b>	9. AGENT'S ADDRESS <b>Brown and Caldwell</b> <b>501 Great Circle Road, Suite 150</b> <b>Nashville, TN 37228</b>
7. APPLICANT'S PHONE NUMBERS WITH AREA CODE a. Residence b. Business <b>(248) 435-7908</b>	10. AGENT'S PHONE NUMBERS WITH AREA CODE a. Residence <b>(b) (6)</b> b. Business <b>(615) 250-1241</b>

Redaction(s)  
subject to Exemption 6 (Personal  
Privacy Information)

## 11. STATEMENT OF AUTHORIZATION

I hereby authorize **Brown and Caldwell** to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

APPLICANT'S SIGNATURE

DATE

## NAME, LOCATION AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions) <b>Grenada Manufacturing Groundwater Interim Measure Project</b>	
13. NAME OF WATERBODY, IF KNOWN (if applicable) <b>Riverdale Creek</b>	14. PROJECT STREET ADDRESS (if applicable) <b>Grenada Manufacturing, LLC</b> <b>635 Highway 332</b> <b>Grenada, MS 38901</b>
15. LOCATION OF PROJECT  <b>Grenada</b> COUNTY <b>Mississippi</b> STATE	
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) <b>N 33° 48.48'; W 89° 48.19'</b>	
17. DIRECTIONS TO THE SITE <b>From Grenada: Take MS-333/MS-8 West; turn Right onto US-51; turn Right on MS-332.</b> <b>The facility is on the Right approximately 3 miles from the center of Grenada.</b>	

18. Nature of Activity (Description of project, include all features)

Install a subsurface permeable reactive barrier (PRB) approximately 1,200 feet long by 3 feet wide by 60 feet deep. The PRB will consist of a subsurface trench filled with a mixture of iron filings and sand to passively treat impacted groundwater. See also Attachment B. The PRB installation will require the construction of a work platform and access road as described below. The road will provide access during construction as well as providing access to monitoring wells located along the trench alignment following construction.

19. Project Purpose (Describe the reason or purpose of the project, see instructions) The PRB is being installed to treat impacted groundwater prior to migration to Riverdale Creek. The project is a RCRA Corrective Action Interim Measure being implemented under the authority of the United States Environmental Protection Agency (USEPA) Region 4 and the Mississippi Department of Environmental Quality (MDEQ). The proposed project would tentatively begin in Spring 2003 and end in Summer 2003.

USE BLOCKS 20-22 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

In order for the PRB to be installed, it is necessary to import fill material to construct a 90 to 120 feet wide by 3 feet thick work platform and access road.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards

The imported soil fill will consist of a clean structural fill or coarse aggregate and will be between approximately 12,000 and 16,000 cubic yards.

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Approximately 3 acres of wetlands would be impacted. The fill material will be trucked to the site and placed using a bulldozer or similar equipment.

23. Is Any Portion of the Work Already Complete? Yes \_\_\_\_\_ No X IF YES, DESCRIBE THE COMPLETED WORK

24. Addresses of Adjoining Property Owners, Lessees, etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

Mr. Julian S. Kirk owns the property adjacent to the property owned by Grenada Manufacturing, LLC. A significant portion of the PRB installation will occur on property owned by Mr. Kirk. His address is: (b) (6)

25. List of Other Certifications or Approvals/Denials Received from other Federal, State, or Local Agencies for Work Described in This Application

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
USEPA	Design Basis Report	EPA ID No. MSD 007 037 278	5/18/01	11/14/01	N/A

\*Would include but is not restricted to zoning, building and flood plain permits

26. Application is hereby made for a permit or permits to authorize the work described in this application. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

SIGNATURE OF APPLICANT

DATE

SIGNATURE OF AGENT

DATE

The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States, knowingly and willfully falsifies, conceals, or covers up any trick scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.





FIGURE 1

SITE VICINITY MAP

GRENADA MANUFACTURING, LLC PLANT  
GRENADA, MISSISSIPPI

19071.001

7/02

BROWN AND  
CALDWELL

Nashville, Tennessee

2000 0 2000 4000  
SCALE FEET

SOURCE: U.S.G.S. TOPOGRAPHIC MAP, GRENADA, MISSISSIPPI

SOURCE: MAP PREPARED BY ALMON ASSOCIATES, 1993. WELL LOCATIONS SHOWN ARE APPROXIMATE.



<p><b>FIGURE 4</b></p> <p><b>WETLANDS AREAS</b></p> <p>GRENADA MANUFACTURING, LLC PLANT</p> <p>GRENADA, MISSISSIPPI</p> <p>07/02</p>	
<p><b>BROWN AND CALDWELL</b></p> <p>Nashville, Tennessee</p>	<p>19071.001</p>



FIGURE 2

**WETLANDS AREAS**

GRENADA MANUFACTURING, LLC PLANT  
GRENADA, MISSISSIPPI

19071.001 08/01

**BROWN AND CALDWELL**  
Nashville, Tennessee

- LEGEND**
- Monitoring Well
  - Geoprobe Piezometer
  - Surface Water Flow Direction
  - Wetlands Area
  - Uplands Area



SOURCE: MAP PREPARED BY ALMON ASSOCIATES, 1993. WELL LOCATIONS SHOWN ARE APPROXIMATE.

